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Arizona Corporation Commission

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2010 APR 12 P 3:47

AZ CORP COMMISSION
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1 TO: The Arizona Corporation Commission

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3 FROM: Salt River Solar & Wind

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5 DATE: April 12, 2010

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7 DOCKET NO.: E-01345A-09-0338

8
9 REGARDING: APS APPLICATION FOR MODIFICATION OF RENEWABLE
10 ENERGY RESIDENTIAL INCENTIVES
11

12 Dear Madam Chairman and Commissioners:

13
14 Salt River Solar & Wind is honored to address the Arizona Corporation Commission on the
15 topic of the Arizona Public Service ("APS") Company's Application for Modification of
16 Renewable Energy Residential Incentives.
17

18 We would like to open by stating the obvious. The Renewable Energy (solar) industry is
19 booming in Arizona. Not only is the Renewable Energy industry facilitating the creation of
20 jobs, salaries, solar panel sales, equipment sales, but it is building an entire supply chain of new
21 business opportunities in Arizona.
22

23 We would like to praise the Arizona Corporation Commission for its wisdom in passing
24 Renewable Energy Standard in 2006. The thirty-percent Federal Tax Credit combined with the
25 newly created utility incentive programs and the Arizona State Tax Credit has fostered a very
26 promising renewable energy industry in Arizona.
27

28 APS has been aggressively marketing their Demand Side Management and Renewable Energy
29 programs, which are now beginning to have a tremendous economic affect on the communities
30 which they serve.
31

32 If more utility companies would follow APS' business development strategies such as
33 implementing aggressive marketing campaigns, establishing new home builder programs and
34 creating programs such as the Arizona SmartPower program, more of Arizona's cities and
35 towns would be experiencing the same growth rate of energy efficiency and renewable energy
36 businesses as APS has been able to nurture in their service territory.
37

38 The societal benefits of these renewable energy programs are immeasurable as we free Arizona
39 from its dependency on carbon-based fuel such as coal and gas, which emit billions of tons of
40 pollution each year, as well as help cure Arizona's addiction to imported oil from overseas.
41

42 These programs are an extremely effective means to protect rate payers from looming rate
43 increases as utility companies are forced to comply with federal cap and trade policies
44 mandated by EPA environmental standards as well as the introduction of smart grid
45 technology, which threaten increase electricity rates as high as 10% a year for the next decade.
46

47 And if Arizona's population increases to the predicted ten to fourteen million people by the
48 year 2050, APS' strategy of supplementing the need for new carbon-based power generation
49 stations with solar and wind renewable distributed generation platforms will save customers
50 billions of dollars. (Source: Arizona Census Bureau Data)

51
52 Predicting the future is always a difficult and challenging task, but the overwhelming demand
53 and appetite for energy efficiency, solar thermal and solar power installations among APS's
54 customer base proves that Arizona is ready to make the transition from carbon-based fuel to
55 renewable energy, especially when it leads to lower pollution and protection against future
56 electricity rate hikes.

57
58 As with any new industry, the challenges of funding, managing and facilitating the rapid
59 growth of the renewable energy industry are to be expected. As many utility companies and
60 state regulators have learned, the volatility of rebate and incentive programs can have a
61 detrimental effect of the industries that are working overtime to make the transition possible.

62
63 Thus, we would like to encourage Arizona Corporation to continue its efforts to explore a
64 renewable energy feed-in tariff, which would replace the instability of short-term incentive
65 programs with the guaranteed rate-of-return programs that will bring much needed stability to
66 the solar and renewable energy industries.

67
68 Not only will a solar feed-in tariff build a solar marketplace in Arizona that would be attractive
69 to financial investors and venture capitalists, but it would lay the foundation for a multi-billion
70 dollar solar industry in Arizona.

71
72 On March 31, 2010, without warning, APS posted a notice to its website announcing it would
73 terminate its residential renewable energy incentive program until further notice. This created a
74 difficult situation for the hundreds of solar installation companies that are now doing business
75 in Arizona.

76
77 With this said, we commend APS for using prudent judgment in applying the brakes before its
78 incentive program exhausted in allocated funding.

79
80 Unfortunately, TRICO, Sulphur Springs and ED3 were not as judicious in managing their solar
81 incentive programs. As a result, these utility companies now owe large sums of money to solar
82 installation companies in the form of solar rebates, which are not expected to be paid for up to
83 twenty-four months. (See the attachments)

84
85 From the solar industry's perspective, the failure to reimburse solar rebates is unacceptable.

86
87 These companies are actively charging customers to produce renewable energy distributed
88 generation sites, which solar installation companies are installing, yet they refuse to make good
89 on their solar reservation forms. Another example of why an Arizona Solar Feed-in Tariff
90 would rectify a problem and make it simple for any residential or business customer to sell their
91 clean electricity to other utility companies in Arizona.

94 Prior to March 2, 2010, the average timeline for filing a Salt River Solar & Wind's customer
95 solar rebate application form and receiving a solar reservation number was 3-5 business days.
96 After March 2, 2010, the Salt River Solar & Wind's solar rebate application form experienced a
97 complete stop and no solar reservation numbers have been approved since.

98
99 Then on March 31, 2010, without notice, APS announced that it would suspend the solar
100 incentive reservation process completely until further notice.

101
102 At risk are 78 contracts that Salt River Solar & Wind has signed with customer at the \$3.00 per
103 watt incentive rate, worth more than \$1.3 million. APS must be required to honor all contracts
104 that were signed, submitted and in the solar reservation pipeline prior to March 31, 2010.

105
106 Salt River Solar & Wind can only deal with an APS proposed reduction of renewable energy
107 reservation rates of \$2.15 per watt on contracts submitted after the March 31, 2010 deadline on
108 a short term basis. This price-per-watt will place a financial burden on Salt River Solar &
109 Wind, but will allow the company to continue operations until residential incentive budgets can
110 be increased for 2011.

111
112 To illustrate the financial burden, if the \$2.15 per-watt incentive was applied to contracts that
113 were signed prior to the March 31, 2010 deadline, which to date have not received reservation
114 numbers, Salt River Solar & Wind stands to lose approximately \$438,578. This represents
115 roughly one month of contracts. Over a 12-month time frame the loss is approximated at \$5.2
116 million.

117
118 Allowing APS to reduce their incentive rates will have a disastrous affect on the solar industry.
119 As seen to date, other electric utility companies follow APS' lead. Less than one week after
120 APS reduced its tariffs, SRP followed their lead.

121
122 Salt River Solar & Wind is one of the largest solar installation companies in Arizona and is
123 installing approximately 500 kilowatts of residential solar per month. It is important for the
124 Commission to realize that there are more than 250+ solar installation companies in Arizona,
125 that are much small than Salt River Solar.

126
127 Reducing the incentive below \$2.70 per watt may cause many low volume solar installation
128 businesses to cease operations, which would result in a significant loss of jobs and ancillary
129 support industries.

130
131 According to APS' research firm, Vermont Energy Investment Corporation's (VEIC) research
132 reports that, "while there have been ups and downs, there has been an overall decline in the
133 installed cost per watt from \$7.53 in 2002 to \$6.92 in 2009. Currently, VEIC's database
134 indicates an average installed cost of \$6.33 per watt for 2010."

135
136 APS reports that they estimate they installers can support an installed cost below \$6.00 per
137 watt. Based on what information?? We disagree with that statement.

138
139 The majority of solar installation companies in Arizona have higher costs than the national
140 average because of the extreme heat on Arizona rooftops. While most states can use more

affordable polycrystalline solar panels, in Arizona during the summer heat when rooftops can approach 160 degrees Fahrenheit, it is necessary for Arizona solar installation companies to use mono crystalline panels, which are 15-percent more expensive than poly crystalline solar panels.

To get a real sense of the costs of installing solar in Arizona, the Commission should look at the 3,600 solar reservation forms that are now in APS and the other utility's reservation databases.

The Commission should be able to mine this information to gauge how many solar companies are doing business, determine the size of their companies and extrapolate what their operating costs are. There will be wide variance between two men and a truck companies versus more established companies like Salt River Solar or American Solar.

Large companies have much higher overhead expenses such as maintaining employee health coverage, paying social security and state employment taxes than smaller companies.

It would be prudent for the Commission to examine the top 5 solar companies, which should be easy to ascertain from the reservation forms due to the sheer number of applications filed and then look at their contracts. These companies represent the large volume solar dealers. Salt River Solar & Wind is achieving economies of scale, while selling systems at the bearable price point from a customer's perspective.

It would be wise to examine how much money would have been lost by solar installation companies if they had charged \$2.15 per watt for all contracts awarded during the first quarter of 2010.

Allowing APS to reduce their incentive program will place a financial burden that will hurt the most successful solar companies in Arizona. And don't just examine APS' reservations; examine reservation databases from every utility company in Arizona, including SRP.

In addition to the incentive reduction, the Commission needs to examine how much money these solar companies are financing to make these deals possible. It is one thing for a solar installation company to finance a solar installation contract for 3 months.

But for utility companies like TRICO, ED3 or Sulphur Springs, solar installers are being asked to finance deals, install systems and then wait for up to twenty four (24) months to be reimbursed for hundreds of thousands of dollars. Solar installation companies should be reimbursed for the interest on the money needed to finance these systems.

In addition to system costs, you should also examine solar permit fees and the number of inspections that a system has to pass. The number of inspections and engineers required to be on staff reflect a big burden on larger companies and add a tremendous cost needed to do business in the state of Arizona.

186 From a solar installer's perspective it would be beneficial to perform an audit on each utility's
187 renewable energy incentive program to determine the debt load that solar installation
188 companies are being asked to support.

189
190 An audit would also allow the industry to see who, what, where, when and how much money is
191 being spent on renewable energy incentive programs. If a utility company has the financial
192 means to pay out their promised reservations and incentive rebates within 30-90 days of the
193 system's commissioning, they should be required to do so in a timely manner.

194
195 Salt River Solar & Wind feels that it is imperative of the Arizona Corporation Commission to
196 mandate that all Arizona Public Service Companies be required to publish their renewable
197 energy budget goals, the amount being paid to APS solar partner companies, their weekly or
198 monthly reservation commitments, and expected payment dates for all renewable energy rebate
199 programs on a public website that can be reviewed by the general public. This will allow solar
200 installation companies to properly plan for reimbursement timeframes and adjust their own
201 marketing programs accordingly.

202
203 The Commission should review the APS' sponsored RW Beck research report
204 (<http://solarfuturearizona.com>) that basically states the only real way for solar to make a
205 difference on meeting peak load, purchased power, reducing capital investment, avoided fuel
206 costs and transmission and distribution line losses is to achieve heavy penetration levels of
207 solar in the multiple megawatts per substation range.

208
209 According to the RW Beck report, the costs savings from heavy penetration level of solar
210 installations are substantial and should be more than sufficient to defend the Commission
211 approval to raise the RES adjustors to maintain the current momentum of solar penetration
212 levels. As more and more solar is deployed, the greater these cost savings become.

213
214 Customers are already struggling to find sufficient funding or financial resources to finance
215 solar installation. Reducing the rate from \$3 to \$2.15 will significantly reduce the amount of
216 solar contracts being signed. The momentum for solar is just beginning, lowering incentives
217 will slow the interest level back to near zero.

218
219 The RW Beck report also states that under a light penetration level of solar installations, APS
220 will not be able to meet its RES goals by 2025. It states that the requirements of the RES goals
221 appear to outstrip the current capability of markets to supply or install solar resources. Current
222 installation capacity may be in line with current demand, but assuming increases from
223 successful marketing programs, rebate opportunities and customer pull, additional resources
224 will be required.

225
226 According to APS' report, making the RES goals will require the installation of between
227 18,000 and 400,000 solar systems between 2009 and 2025. The RW Beck report suggests that
228 a large increase of installers will be needed to take advantage of that demand requiring
229 significant investments in training and education.

230 The solar industry has grown from 10-40 installation companies in 2008 to over 250+
231 companies in 2010. This growth was made possible by the \$3 per watt incentive plan.
232 Reducing the incentive will undermine any business plan that was built around the higher
233 incentive rebate.

234

235 APS' marketing programs were very successful and increased solar deployments by a factor of
236 four from the same results reported in 2008. It would be safe to say that APS has become a
237 victim of their own success, but lowering incentives at this point, will be similar to a "bait and
238 switch" advertising practice, which is illegal.

239

240 Advertising that customers will receive incentives that will pay 75% of equipment and
241 installation costs for the first quarter of 2010 and then lowering incentives by 28% for the
242 remainder of 2010 verges on becoming a real legal problem.

243

244 A monopoly should not be able to advertise a product/service at a certain rate, and then deliver
245 something that is subpar in value to what they promised customers and solar installation
246 companies.

247

248 The problem was exacerbated by the fact that APS allowed solar installation companies to
249 continue signing contracts throughout March and then terminated their program without
250 warning. Businesses were denied time to prepare for the need to change the rebate program,
251 let alone prepare consumers who were currently in contract. This will leave both consumers
252 and vendors at a huge loss.

253

254 Perhaps the Commission should issue an order that reduces APS's residential power rates by
255 30% and made it retroactive to one day before they issued the order.

256

257 The RW Beck report was printed in 2009, which means that it was written in 2008. In this
258 report, APS uses the incentive rate of \$2.70 per watt for 2010. This means that they have been
259 planning to reduce incentives for at least 2 years prior to 2010. If so, why would they
260 advertise a higher rate?

261

262 The report states that residential rebates should be set at \$2.70 for 2010, \$2.70 for 2011, \$2.30
263 for 2012 and 2.30 for 2013.

264

265 Perhaps APS is reducing incentives to levels that only a monopoly utility would be able to
266 supply in order to drive competition out of the market.

267

268 The RW Beck report states that "APS may consider a new business model in which it directly
269 provides services that help promote solar DE market development. These could include such
270 services as financial programs, technology development, and supply partnerships, as well as
271 design, billing and field support for the installation of solar DE rooftop units in conjunction
272 with the marketplace."

273

274 See "APS as a Market Entrant" in section 6-25, where APS is outlining its intention to serve as
275 a one-stop shop for solar. Here the actual language:

276

277

278

279

281 **APS as a Market Entrant**

282 The adoption gap for both residential and commercial customers stems from the Study finding
283 that payback period is longer in the early years. The market behavior also has less momentum
284 given the lower cumulative installations of solar DE. Both of these issues can be addressed if
285 APS becomes a market entrant. APS could stimulate the market in several ways, such as the
286 following:

- 287 • Ease consumer adoption – Easy, streamlined, one-stop shopping will help move
288 customers to early adoption. This is particularly focused on the residential market.
289 Automobile leasing created a robust market by making leases easy and allowing
290 customers to walk in and drive out. A similar approach that streamlines financing,
291 contacting, installation and operation/maintenance could attract customers and build
292 market momentum.
- 293 • Partner for the Greenfield – The areas north and west of Phoenix shows significant
294 growth projections in housing. APS could partner with home builders and developers to
295 establish solar programs, such as 100 percent SHW heating and optional-sized PV
296 systems.
- 297 • Partner with solar installation community – This is particularly suited to the commercial
298 market segment. Even under the best conditions, the installation segment may face
299 limitations in reaching all aspects of the market, accommodating installations, etc. APS
300 may consider partnering opportunities that benefit the commercial installation sector
301 and protect APS resources yet accelerate market adoption.
- 302 • Provide financing – Making technology procurement easy and transparent to the end
303 customer will drive the market and increase uptake. Dell computers was hugely
304 successful in increasing sales by making the purchasing experience fast and easy for
305 millions of customers.
- 306 • Consider a creative business model – A broad option would be to consider development
307 of a new business model in which APS provides the financing, billing and field support
308 for the installation of solar rooftop units in conjunction with the marketplace. Based on
309 numerous successful programs in SHW and other appliance provision models, APS
310 could work with the local installation, supply and manufacturing community to provide
311 its customers, particularly residential, with “no up-front cost” units.

312
313 APS could be the provider of capital (allowed a rate of return on the investment),
314 manage the installation field force (using local contractors) and offer billing as well as
315 an ongoing service contract. The customers would benefit from having a no-hassle
316 process for obtaining SHW and solar PV, ensuring the systems were operating properly,
317 and offsetting the cost of the system with the monthly savings.

318
319 After the systems were fully depreciated, the customers could have the option of buying
320 the system along with a maintenance contract, or they could opt to continue paying a
321 monthly fee for guaranteed service. The system would transfer with the sale of the
322 house with the new owners either buying the solar DE out from the lease or continuing
323 with the program.

324
325 In addition to creating an easy way for systems to be deployed, the local contractor and
326 vendor community would be supported, creating jobs and the potential for a constant
327 stream of business.

330 Lowering incentives to the point where solar installation companies have the option of going
331 out of business or working for APS as a contractor should not be allowed. If the Commission
332 allows APS to reduce the residential solar rebate to \$2.15 per watt most small solar installation
333 companies will be forced out of business.

334

335 This is precisely why utility companies should not be allowed to implement their own incentive
336 programs. It allows them way to much control over what happens in the marketplace.

337

338 The Commission should also consider that APS' incentives are also working in tandem with the
339 federal tax credit which will be reduced or end in the year 2016. In order to continue heavy
340 penetration before losing this valuable resource, it is recommended for utility companies to
341 provide as much solar incentives as possible before federal subsidies run out.

342

343 It would seem to be prudent to keep Arizona solar incentives high until federal tax credit/grant
344 programs are reduced or extinguished in order to maintain heavy solar penetration and make it
345 possible for APS to achieve their RES goals for 2025.

346

347 The RW Beck report points out the "Law of Diminishing Returns" which shows that the first
348 unit of energy (mWh) of solar production is more valuable to APS than the last. There is an
349 argument that an incentive structures that reflects this economic reality would incentivize early
350 adoption.

351

352 For the reasons stated in this document, APS should be required to keep the Renewable Energy
353 Incentives at \$3.00 per watt and increase the adjustor if more money is needed to continue the
354 solar rebate program. They should not be allowed to reduce incentive until December 31,
355 2010.



Money lost to APS

Wednesday, April 07, 2010
1:14:35 PM

#	Last	Utility	System Size	Project status	Utility IN	Utility App sent	Utility App confirmed	\$3 per KW	\$2-15 per KW	Money lost
00370-SN	RUIZ	APS	6.48		3/30/2010	4/2/2010		\$19,440.00	\$13,932.00	\$5,508.00
00374-SW	KEITHLY	APS	7.74		3/19/2010	4/6/2010		\$23,220.00	\$16,641.00	\$6,579.00
00390-SN	VANDERHOEF	APS	7.92		3/11/2010	3/17/2010		\$23,760.00	\$17,028.00	\$6,732.00
00391-SW	CROXEN	APS	4.73		2/11/2010			\$14,190.00	\$10,169.50	\$4,020.50
00395-AN	PARKS	APS	5.95		2/10/2010	3/17/2010		\$17,850.00	\$12,792.50	\$5,057.50
00403-AN	FOREMAN	APS	2.16		4/2/2010	4/6/2010		\$6,480.00	\$4,644.00	\$1,836.00
00406-AN	HAUCK(#1)	APS	7.2	RUSHI	3/22/2010	3/31/2010		\$21,600.00	\$15,480.00	\$6,120.00
00407-AN	HAUCK(#2)	APS	3.87	RUSHI	3/22/2010	3/30/2010		\$11,610.00	\$8,320.50	\$3,289.50
00414-AN	HEYWOOD	APS	3.78		4/2/2010			\$11,340.00	\$8,127.00	\$3,213.00
00422-AH	WONG	APS	16.92					\$50,760.00	\$36,378.00	\$14,382.00
00425-SN	MULVIHILL	APS	2.16		2/11/2010			\$6,480.00	\$4,644.00	\$1,836.00
00426-SW	ROBERTS	APS	15.48					\$46,440.00	\$33,282.00	\$13,158.00
00436-SN	VANDERHOEF (#2)	APS	4.32		2/23/2010	3/2/2010		\$12,960.00	\$9,288.00	\$3,672.00
00442-AN	VILLINES	APS	2.52		3/1/2010	3/4/2010		\$7,560.00	\$5,418.00	\$2,142.00
00455-AH	LACKEY	APS	6.11		3/10/2010	3/15/2010		\$18,330.00	\$13,136.50	\$5,193.50
00461-AH	YOOS	APS	7.755		3/8/2010	3/18/2010		\$23,265.00	\$16,673.25	\$6,591.75
00463-SH	BRYCE	APS	7.755		3/12/2010	3/15/2010		\$23,265.00	\$16,673.25	\$6,591.75
00468-SH	JONES	APS	6.11		3/30/2010	3/30/2010		\$18,330.00	\$13,136.50	\$5,193.50
00469-SW	YOUNG	APS	7.075		3/12/2010	3/18/2010		\$21,225.00	\$15,211.25	\$6,013.75
00470-SH	STEPHENSON	APS	7.755		3/19/2010	3/29/2010		\$23,265.00	\$16,673.25	\$6,591.75
00474-SH	ZVONIK	APS	5.64		3/17/2010	3/17/2010		\$16,920.00	\$12,126.00	\$4,794.00
00477-SH	SWAN	APS	7.755		4/6/2010	4/6/2010		\$23,265.00	\$16,673.25	\$6,591.75

#	Last	Utility	System Size	Project status	Utility IN	Utility App sent	Utility App confirmed	\$3 per KW	\$2-15 per KW	Money lost
00479-AN	RETKOWSKI	APS	4.86		3/19/2010	3/23/2010		\$14,580.00	\$10,449.00	\$4,131.00
00480-AN	DIETZ	APS	5.94		3/10/2010	3/19/2010		\$17,820.00	\$12,771.00	\$5,049.00
00481-AN	AUGUSTINE	APS	5.94		3/23/2010	4/2/2010		\$17,820.00	\$12,771.00	\$5,049.00
00482-AN	SCHOEPP	APS	5.76		3/16/2010	3/18/2010		\$17,280.00	\$12,384.00	\$4,896.00
00483-SW	RAY	APS	3.01		3/10/2010	3/15/2010		\$9,030.00	\$6,471.50	\$2,558.50
00484-SH	ELITZ	APS	6.58		3/10/2010	3/15/2010		\$19,740.00	\$14,147.00	\$5,593.00
00485-SW	PATRICK	APS	1.29		3/10/2010	3/15/2010		\$3,870.00	\$2,773.50	\$1,096.50
00488-SN	REYNOLDS	APS	3.96					\$11,880.00	\$8,514.00	\$3,366.00
00489-SW	HERINGTON	APS	5.16		3/15/2010	3/17/2010		\$15,480.00	\$11,094.00	\$4,386.00
00492-SW	FRANZ	APS	8.1					\$24,300.00	\$17,415.00	\$6,885.00
00493-SH	ZOELLNER	APS								
00494-AN	BROMAN	APS	11.52		3/16/2010	3/18/2010		\$34,560.00	\$24,768.00	\$9,792.00
00496-SW	DOVICO (1)	APS	4.73		3/25/2010	3/29/2010		\$14,190.00	\$10,169.50	\$4,020.50
00497-SW	DOVICO (2)	APS	5.805		3/25/2010	3/29/2010		\$17,415.00	\$12,480.75	\$4,934.25
00498-SH	SOUTHWEST FID. INC.	APS	19.74					\$59,220.00	\$42,441.00	\$16,779.00
00499-SW	LANDMAN	APS	5.06		3/22/2010	3/31/2010		\$15,180.00	\$10,879.00	\$4,301.00
00501-SW	AUSTIN	APS	5.805		4/2/2010	4/7/2010		\$17,415.00	\$12,480.75	\$4,934.25
00503-AY	Imada	APS	6.45		4/2/2010			\$19,350.00	\$13,867.50	\$5,482.50
00504-AN	RENSHAW	APS	6.48		4/6/2010			\$19,440.00	\$13,932.00	\$5,508.00
00508-SW	PISEL	APS	7.74	RUSHI	3/25/2010	3/29/2010		\$23,220.00	\$16,641.00	\$6,579.00
00509-AH	EDEN	APS	5.17	RUSHI				\$15,510.00	\$11,115.50	\$4,394.50
00512-SH	PACK	APS	3.29					\$9,870.00	\$7,073.50	\$2,796.50
00516-SH	THOMSEN	APS	6.58					\$19,740.00	\$14,147.00	\$5,593.00

#	Last	Utility	System Size	Project status	Utility IN	Utility App sent	Utility App confirmed	\$3 per KW	\$2-15 per KW	Money lost
00517-AN	CAMPELL	APS	2.52					\$7,560.00	\$5,418.00	\$2,142.00
00518-AN	NEESE	APS	3.24		4/2/2010			\$9,720.00	\$6,966.00	\$2,754.00
00520-AN	GARRETT	APS	7.2					\$21,600.00	\$15,480.00	\$6,120.00
00519-SW	MANNION	APS	4.73					\$14,190.00	\$10,169.50	\$4,020.50
00522-SW	MILLER	APS	7.095					\$21,285.00	\$15,254.25	\$6,030.75
00523-SW	VALENTIN	APS	7.31					\$21,930.00	\$15,716.50	\$6,213.50
00524-AN	HARRISON	APS	6.48					\$19,440.00	\$13,932.00	\$5,508.00
00525-AN	HANSON	APS	6.48					\$19,440.00	\$13,932.00	\$5,508.00
00526-AN	RYNER	APS	2.16		4/2/2010			\$6,480.00	\$4,644.00	\$1,836.00
00527-AN	DOLGE	APS	3.96					\$11,880.00	\$8,514.00	\$3,366.00
00529-AH	ZAK	APS	5.17					\$15,510.00	\$11,115.50	\$4,394.50
00531-AN	FURST	APS	6.48					\$19,440.00	\$13,932.00	\$5,508.00
00534-AH	MITCHELL	APS	2.82					\$8,460.00	\$6,063.00	\$2,397.00
00535-SW	HAMMAR	APS	10.535					\$31,605.00	\$22,650.25	\$8,954.75
00536-SW	DAVIS	APS	4.3					\$12,900.00	\$9,245.00	\$3,655.00
00537-SW	PRIDELL	APS	4.3					\$12,900.00	\$9,245.00	\$3,655.00
00540-AH	WEBER	APS	11.515					\$34,545.00	\$24,757.25	\$9,787.75
00542-SH	MCCLRATH	APS	6.58					\$19,740.00	\$14,147.00	\$5,593.00
00545-SW	STOBIE	APS	5.805					\$17,415.00	\$12,480.75	\$4,934.25
00546-AN	ROBINSON	APS								
00548-SW	RITTER	APS	3.87					\$11,610.00	\$8,320.50	\$3,289.50
00549-AH	DORLAND	APS								
00550-AN	ELLINGER	APS								
00551-AN	TAYLOR	APS								

#	Last	Utility	System Size	Project status	Utility IN	Utility App sent	Utility App confirmed	\$3 per KW	\$2-15 per KW	Money lost
00553-SW	WHITMORE	APS								
00554-SW	ALBRO	APS								
00555-SH	MCMAHON	APS								
00556-SH	MCCALL	APS								
00557-SW	KEREKES	APS								
00558-SW	BAUGHMAN	APS								
00559-SH	TRAN	APS								
00560-SW	GOODMAN	APS								
900258	MCMAHON	APS	5.16					\$15,480.00	\$11,094.00	\$4,386.00
900273	NGUYEN	APS	25.53		3/26/2010	3/29/2010		\$76,590.00	\$54,889.50	\$21,700.50
900295	THEATER WKS	APS	11.28		2/11/2010			\$33,840.00	\$24,252.00	\$9,588.00
900336	LEVINGS	APS	7.7		4/1/2010			\$23,100.00	\$16,555.00	\$6,545.00
81			448.375					\$1,345,125.00	\$964,006.25	\$381,118.75

$$\begin{array}{r}
 13 \text{ blanks} \\
 \times 5.2 \text{ average} \\
 \hline
 + 57460 \\
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 \approx 438,578.75
 \end{array}$$

Thursday,
April 08,

File #	System		Utility IN	Utility App sent	Utility App confirmed	Utility APPROVAL	# of Days to Confirm Rebate	# of Days for Full Approval
	Utility	Size						
900147	#3	5.16	09-Nov-09	08-Dec-09	29-Dec-09	29-Dec-09	21	21
900213	#3	5.16	30-Oct-09	08-Dec-09	29-Dec-09	29-Dec-09	21	21
900288	#3	8.6	21-Dec-09	28-Dec-09	20-Jan-10	20-Jan-10	23	23
00353-SW	#3	3.22	27-Jan-10	03-Feb-10	22-Feb-10	22-Feb-10	19	19
						Average # of days to convert	21	21

Thursday,
April 08,

File #	Utility	System Size	Utility IN	Utility App sent	Utility App confirmed	Utility APPROVAL	# of Days to Confirm Rebate	# of Days for Full Approval
900145	APS	5.805	27-Oct-09	03-Nov-09	07-Dec-09	20-Nov-09	34	17
900173	APS	2.15	02-Jan-00	03-Nov-09	30-Nov-09	20-Nov-09	27	17
900175	APS	7.52	28-Oct-09	03-Nov-09	07-Dec-09	07-Dec-09	34	34
900183	APS	5.16	29-Oct-09	03-Nov-09	07-Dec-09	20-Nov-09	34	17
900189	APS	7.095	20-Oct-09	03-Nov-09	04-Jan-10	16-Nov-09	62	13
900222	APS	5.805	29-Oct-09	03-Nov-09	07-Dec-09	20-Nov-09	34	17
900150	APS	5.805	29-Oct-09	04-Nov-09	07-Jan-10	20-Nov-09	64	16
900184	APS	3.01	02-Nov-09	12-Nov-09	07-Jan-10	04-Feb-10	56	84
900130	APS	9.245	11-Nov-09	17-Nov-09	14-Jan-10	14-Dec-09	58	27
900171	APS	7.74	09-Nov-09	17-Nov-09	11-Feb-10	08-Feb-10	86	83
900249	APS	3.44	12-Nov-09	17-Nov-09	14-Jan-10	30-Nov-09	58	13
900212	APS	9.245	12-Nov-09	18-Nov-09	14-Jan-10	15-Feb-10	57	89
900217	APS	7.095	11-Nov-09	18-Nov-09	07-Jan-10	30-Nov-09	50	12
900219	APS	5.16	11-Nov-09	18-Nov-09	04-Feb-10	30-Nov-09	78	12
900252	APS	4.73	17-Nov-09	18-Nov-09	14-Jan-10	14-Dec-09	57	26
900270	APS	5.805	17-Nov-09	18-Nov-09	14-Jan-10	04-Feb-10	57	78
900210	APS	9.89	18-Nov-09	19-Nov-09	14-Jan-10	14-Dec-09	56	25
900233	APS	4.73	11-Nov-09	19-Nov-09	07-Jan-10	14-Dec-09	49	25
900239	APS	5.25	12-Nov-09	19-Nov-09	14-Jan-10	14-Dec-09	56	25
900246	APS	5.16	11-Nov-09	19-Nov-09	14-Jan-10	14-Dec-09	56	25
900170	APS	9.03	09-Nov-09	23-Nov-09	14-Jan-10	14-Dec-09	52	21
900176	APS	6.45	17-Nov-09	23-Nov-09	14-Jan-10	14-Dec-09	52	21
900177	APS	10.75	03-Nov-09	23-Nov-09	14-Dec-09	14-Dec-09	21	21
900193	APS	4.73	11-Nov-09	23-Nov-09	14-Jan-10	14-Dec-09	52	21
900223	APS	6.9	17-Nov-09	23-Nov-09	07-Jan-10	14-Dec-09	45	21
900225	APS	7.74	11-Nov-09	23-Nov-09	14-Jan-10	14-Dec-09	52	21
900232	APS	6.21	12-Nov-09	24-Nov-09	14-Jan-10	14-Dec-09	51	20

Thursday,
April 08,

File #	Utility	System Size	Utility IN	Utility App sent	Utility App confirmed	Utility APPROVAL	# of Days to Confirm Rebate	# of Days for Full Approval
900230	APS	7.095	23-Nov-09	27-Nov-09	07-Jan-10	14-Dec-09	41	17
900231	APS	4.73	23-Nov-09	27-Nov-09	07-Jan-10	28-Jan-10	41	62
900238	APS	5.52	23-Nov-09	27-Nov-09	07-Jan-10	14-Dec-09	41	17
900242	APS	3.44	23-Nov-09	27-Nov-09	07-Jan-10	14-Dec-09	41	17
900245	APS	3.44	20-Nov-09	27-Nov-09	14-Jan-10	14-Dec-09	48	17
900251	APS	7.095	20-Nov-09	27-Nov-09	07-Jan-10	28-Jan-10	41	62
900254	APS	4.73	20-Nov-09	27-Nov-09	07-Jan-10	14-Dec-09	41	17
900255	APS	4.14	13-Nov-09	27-Nov-09	08-Feb-10	14-Dec-09	73	17
900266	APS	4.73	23-Nov-09	27-Nov-09	07-Jan-10	28-Jan-10	41	62
900205	APS	8.17	24-Nov-09	30-Nov-09	25-Jan-10	05-Apr-10	56	126
Average # of days to convert - NOVEMBER 2009							50.05	32.84
900235	APS	3.44	20-Nov-09	01-Dec-09	21-Jan-10	29-Mar-10	51	118
900221	APS	5.16	01-Dec-09	02-Dec-09	21-Jan-10	14-Dec-09	50	12
900236	APS	7.425	23-Nov-09	02-Dec-09	21-Jan-10	14-Dec-09	50	12
900268	APS	3.87	10-Dec-09	11-Dec-09	21-Jan-10	04-Jan-10	41	24
900260	APS	6.88	07-Dec-09	14-Dec-09	25-Jan-10	07-Jan-10	42	24
900263	APS	4.3	09-Dec-09	14-Dec-09	25-Jan-10	07-Jan-10	42	24
900287	APS	7.095	11-Dec-09	15-Dec-09	18-Jan-10	04-Jan-10	34	20
900296	APS	5.16	11-Dec-09	15-Dec-09	18-Jan-10	28-Jan-10	34	44
900265	APS	3.87	08-Dec-09	16-Dec-09	04-Feb-10	07-Jan-10	50	22
900271	APS	5.805	14-Dec-09	17-Dec-09	28-Jan-10	14-Jan-10	42	28
900297	APS	6.88	11-Dec-09	17-Dec-09	28-Jan-10	07-Jan-10	42	21
900227	APS	5.16	03-Dec-09	18-Dec-09	28-Jan-10	07-Jan-10	41	20
900250	APS	7.095	08-Dec-09	18-Dec-09	28-Jan-10	07-Jan-10	41	20
900261	APS	7	14-Dec-09	18-Dec-09	28-Jan-10	07-Jan-10	41	20
900276	APS	3.44	17-Dec-09	18-Dec-09	28-Jan-10	07-Jan-10	41	20

Thursday,
April 08,

File #	Utility	System Size	Utility IN	Utility App sent	Utility App confirmed	Utility APPROVAL	# of Days to Confirm Rebate	# of Days for Full Approval
900279	APS	6.3	14-Dec-09	18-Dec-09	29-Jan-10	07-Jan-10	42	20
900300	APS	5.805	11-Dec-09	18-Dec-09	28-Jan-10	07-Jan-10	41	20
900209	APS	5.6	15-Dec-09	23-Dec-09	28-Jan-10	18-Jan-10	36	26
900229	APS	10.2	08-Dec-09	23-Dec-09	28-Jan-10	07-Jan-10	36	15
900253	APS	5.805	07-Dec-09	23-Dec-09	01-Feb-10	07-Jan-10	40	15
900277	APS	3.01	14-Dec-09	23-Dec-09	01-Feb-10	07-Jan-10	40	15
900278	APS	4.73	14-Dec-09	23-Dec-09	01-Feb-10	07-Jan-10	40	15
900284	APS	3.44	14-Dec-09	23-Dec-09	01-Feb-10	07-Jan-10	40	15
900314	APS	8.05	16-Dec-09	23-Dec-09	04-Feb-10	07-Jan-10	43	15
900087	APS	2.1	28-Dec-09	28-Dec-09	28-Jan-10	07-Jan-10	31	10
900283	APS	7.74	14-Dec-09	28-Dec-09	28-Jan-10	07-Jan-10	31	10
900289	APS	3.01	14-Dec-09	28-Dec-09	28-Jan-10	11-Feb-10	31	45
900299	APS	4.3	14-Dec-09	28-Dec-09	18-Feb-10	11-Feb-10	52	45
900220	APS	4.73	22-Dec-09	31-Dec-09	28-Jan-10	18-Jan-10	28	18
900303	APS	7.095	14-Dec-09	31-Dec-09	28-Jan-10	18-Jan-10	28	18
900324	APS	5.805	29-Dec-09	31-Dec-09	28-Jan-10	18-Jan-10	28	18
Average # of days to convert - DECEMBER 2009							40	24
900290	APS	7.74	30-Dec-09	11-Jan-10	04-Feb-10	25-Jan-10	24	14
900330	APS	2.15	06-Jan-10	11-Jan-10	28-Jan-10	21-Jan-10	17	10
900307	APS	5.805	18-Dec-09	12-Jan-10	28-Jan-10	25-Jan-10	16	13
900315	APS	5.25	08-Jan-10	12-Jan-10	28-Jan-10	25-Jan-10	16	13
900321	APS	3.5	31-Dec-09	13-Jan-10	28-Jan-10	21-Jan-10	15	8
900332	APS	1.75	08-Jan-10	15-Jan-10	01-Feb-10	28-Jan-10	17	13
900334	APS	7.875	08-Jan-10	15-Jan-10	28-Jan-10	28-Jan-10	13	13
900318	APS	2.94	14-Jan-10	18-Jan-10	11-Feb-10	08-Feb-10	24	21
900328	APS	10.965	12-Jan-10	18-Jan-10	11-Feb-10	08-Feb-10	24	21

Thursday,
April 08,

File #	Utility	System Size	Utility IN	Utility App sent	Utility App confirmed	Utility APPROVAL	# of Days to Confirm Rebate	# of Days for Full Approval
900338	APS	12.9	13-Jan-10	18-Jan-10	11-Feb-10	08-Feb-10	24	21
900311	APS	6.45	19-Jan-10	26-Jan-10	18-Feb-10	04-Feb-10	23	9
900331	APS	7.74	12-Jan-10	26-Jan-10	18-Feb-10	04-Feb-10	23	9
900337	APS	6.88	20-Jan-10	26-Jan-10	18-Feb-10	04-Feb-10	23	9
900340	APS	3.44	19-Jan-10	26-Jan-10	18-Feb-10	04-Feb-10	23	9
900325	APS	6.45	20-Jan-10	29-Jan-10	18-Feb-10	11-Feb-10	20	13
900333	APS	2.45	29-Jan-10	29-Jan-10	18-Feb-10	11-Feb-10	20	13
00343-SW	APS	8.19	20-Jan-10	29-Jan-10	18-Feb-10	11-Feb-10	20	13
00348-SN	APS	3.24	28-Jan-10	29-Jan-10	18-Feb-10	11-Feb-10	20	13
00356-SW	APS	5.805	28-Jan-10	29-Jan-10	18-Feb-10	11-Feb-10	20	13
Average # of days to convert - JANUARY 2009							20	13
00345-SW	APS	6.45	20-Jan-10	01-Feb-10	11-Feb-10	11-Feb-10	10	10
00352-SW	APS	4.73	29-Jan-10	01-Feb-10	18-Feb-10	11-Feb-10	17	10
00351-SW	APS	5.805	26-Jan-10	04-Feb-10	22-Feb-10	22-Feb-10	18	18
00349-SN	APS	7.92	28-Jan-10	05-Feb-10	18-Feb-10	01-Mar-10	13	24
00350-SW	APS	5.805	29-Jan-10	05-Feb-10	22-Feb-10	22-Feb-10	17	17
00380-SW	APS	5.805	03-Feb-10	05-Feb-10	22-Feb-10	22-Feb-10	17	17
00354-SW	APS	7.095	27-Jan-10	08-Feb-10	22-Feb-10	22-Feb-10	14	14
900312	APS	9.46	05-Feb-10	09-Feb-10	25-Feb-10	05-Apr-10	16	55
900339	APS	7.74	01-Feb-10	09-Feb-10	25-Feb-10	01-Mar-10	16	20
00358-SW	APS	4.3	29-Jan-10	09-Feb-10	25-Feb-10	01-Mar-10	16	20
00359-SW	APS	3.87	29-Jan-10	09-Feb-10	25-Feb-10	01-Mar-10	16	20
00362-SW	APS	4.3	03-Feb-10	09-Feb-10	25-Feb-10	01-Mar-10	16	20
00378-SN	APS	3.24	02-Feb-10	09-Feb-10	08-Mar-10	01-Mar-10	27	20
00388-SW	APS	5.805	08-Feb-10	09-Feb-10	01-Mar-10	01-Mar-10	20	20
00368-SW	APS	4.73	03-Feb-10	10-Feb-10	01-Mar-10	01-Mar-10	19	19

Thursday,
April 08,

File #	System		Utility IN	Utility App sent	Utility App confirmed	Utility APPROVAL	# of Days to Confirm Rebate		# of Days for Full Approval
	Utility	Size							
00373-SW	APS	4.73	01-Feb-10	10-Feb-10	25-Feb-10	01-Mar-10	15	19	
00379-SW	APS	4.3	08-Feb-10	15-Feb-10	18-Mar-10	15-Mar-10	31	28	
00381-SW	APS	4.73	05-Feb-10	15-Feb-10	18-Mar-10	15-Mar-10	31	28	
00385-SN	APS	10.44	08-Feb-10	15-Feb-10	11-Mar-10	15-Mar-10	24	28	
00386-SW	APS	5.805	03-Feb-10	15-Feb-10	11-Mar-10	15-Mar-10	24	28	
00394-SW	APS	3.01	11-Feb-10	15-Feb-10	18-Mar-10	15-Mar-10	31	28	
00400-SW	APS	4.3	11-Feb-10	15-Feb-10	18-Mar-10	15-Mar-10	31	28	
00401-AN	APS	3.96	09-Feb-10	15-Feb-10	11-Mar-10	15-Mar-10	24	28	
00402-AN	APS	4.32	10-Feb-10	16-Feb-10	18-Mar-10	15-Mar-10	30	27	
00419-SW	APS	4.3	16-Feb-10	17-Feb-10	22-Mar-10	15-Mar-10	33	26	
00375-SW	APS	4.73	03-Feb-10	18-Feb-10	22-Mar-10	18-Mar-10	32	28	
00393-AN	APS	4.86	16-Feb-10	18-Feb-10	17-Mar-10	17-Mar-10	27	27	
00399-SH	APS	5.64	12-Feb-10	18-Feb-10	22-Mar-10	15-Mar-10	32	25	
00413-AN	APS	3.24	10-Feb-10	18-Feb-10	17-Mar-10	31-Mar-10	27	41	
900335	APS	5.16	18-Jan-10	19-Feb-10	25-Mar-10	29-Mar-10	34	38	
00355-SN	APS	3.01	15-Feb-10	19-Feb-10	22-Mar-10	18-Mar-10	31	27	
00410-SH	APS	7.755	18-Feb-10	19-Feb-10	11-Mar-10	29-Mar-10	20	38	
00411-SW	APS	4.3	11-Feb-10	19-Feb-10	22-Mar-10	18-Mar-10	31	27	
00420-AN	APS	3.78	17-Feb-10	19-Feb-10	31-Mar-10	11-Mar-10	40	20	
00427-AN	APS	2.88	16-Feb-10	19-Feb-10	31-Mar-10	18-Mar-10	40	27	
00405-SH	APS	10.34	22-Feb-10	22-Feb-10	11-Mar-10	18-Mar-10	17	24	
00415-SW	APS	4.62	11-Feb-10	22-Feb-10	15-Mar-10	18-Mar-10	21	24	
900272	APS	12.6	17-Feb-10	23-Feb-10	22-Mar-10	05-Apr-10	27	41	
00397-SW	APS	3.36	11-Feb-10	24-Feb-10	25-Mar-10	18-Mar-10	29	22	
00418-AW	APS	7.74	18-Feb-10	24-Feb-10	25-Mar-10	18-Mar-10	29	22	
00450-SW	APS	1.26	23-Feb-10	24-Feb-10	25-Mar-10	18-Mar-10	29	22	
00369-SN	APS	7.2	16-Feb-10	25-Feb-10	25-Mar-10	15-Mar-10	28	18	

Thursday,
April 08,

File #	Utility	System Size	Utility IN	Utility App sent	Utility App confirmed	Utility APPROVAL	# of Days to Confirm Rebate	# of Days for Full Approval
00408-SW	APS	7.73	12-Feb-10	25-Feb-10	22-Mar-10	15-Mar-10	25	18
00423-SW	APS	8.6	25-Feb-10	25-Feb-10	25-Mar-10	15-Mar-10	28	18
00428-AN	APS	8.1	22-Feb-10	25-Feb-10	31-Mar-10	15-Mar-10	34	18
00429-AN	APS	1.8	24-Feb-10	25-Feb-10	15-Mar-10	29-Mar-10	18	32
00434-SH	APS	5.17	23-Feb-10	25-Feb-10	03-Mar-10	03-Mar-10	6	6
00396-AN	APS	5.94	05-Feb-10	26-Feb-10	31-Mar-10	18-Mar-10	33	20
00421-AN	APS	3.24	23-Feb-10	26-Feb-10	31-Mar-10	18-Mar-10	33	20
00433-AN	APS	2.88	24-Feb-10	26-Feb-10	31-Mar-10	15-Mar-10	33	17
Average # of days to convert - FEBRUARY 2009								
900291	APS	17.415	23-Feb-10	02-Mar-10	25-Mar-10	11-Mar-10	23	9
00389-AN	APS	4.32	08-Feb-10	02-Mar-10	31-Mar-10	11-Mar-10	29	9
00404-AN	APS	7.2	24-Feb-10	02-Mar-10	31-Mar-10	18-Mar-10	29	16
00417-SH	APS	10.34	02-Mar-10	02-Mar-10	25-Mar-10	24-Mar-10	23	22
00431-SW	APS	5.16	24-Feb-10	02-Mar-10	22-Mar-10	18-Mar-10	20	16
00432-SW	APS	5.16	23-Feb-10	02-Mar-10	25-Mar-10	18-Mar-10	23	16
00436-SN	APS	4.32	23-Feb-10	02-Mar-10		18-Mar-10		16
00438-SH	APS	6.58	25-Feb-10	02-Mar-10	25-Mar-10	18-Mar-10	23	16
00453-SH	APS	10.34	01-Mar-10	02-Mar-10	25-Mar-10	11-Mar-10	23	9
00439-SW	APS	4.73	01-Mar-10	03-Mar-10	31-Mar-10	29-Mar-10	28	26
900305	APS	16.125	10-Feb-10	04-Mar-10	18-Mar-10	01-Apr-10	14	28
00442-AN	APS	2.52	01-Mar-10	04-Mar-10		18-Mar-10		14
00444-AN	APS	3.96	01-Mar-10	08-Mar-10	31-Mar-10	05-Apr-10	23	28
00446-AN	APS	2.52	01-Mar-10	08-Mar-10	31-Mar-10	31-Mar-10	23	23
00459-SW	APS	3.44	08-Mar-10	09-Mar-10	25-Mar-10	05-Apr-10	16	27
00460-SW	APS	4.73	08-Mar-10	09-Mar-10	25-Mar-10	29-Mar-10	16	20
00464-SH	APS	4.23	08-Mar-10	09-Mar-10	29-Mar-10	29-Mar-10	20	20

Thursday,
April 08,

File #	Utility	System Size	Utility IN	Utility App sent	Utility App confirmed	Utility APPROVAL	# of Days to Confirm Rebate		# of Days for Full Approval
00465-SH	APS	5.17	08-Mar-10	09-Mar-10	29-Mar-10	29-Mar-10	20	20	20
00476-AN	APS	5.4	09-Mar-10	09-Mar-10	31-Mar-10	29-Mar-10	22	20	20
00457-SH	APS	11.75	04-Mar-10	10-Mar-10	31-Mar-10	29-Mar-10	21	19	19
00458-SH	APS	6.11	10-Mar-10	10-Mar-10	31-Mar-10	29-Mar-10	21	19	19
00462-AN	APS	4.32	08-Mar-10	10-Mar-10	31-Mar-10	31-Mar-10	21	21	21
00466-SW	APS	3.87	10-Mar-10	10-Mar-10	29-Mar-10	29-Mar-10	19	19	19
00451-SW	APS	6.88	03-Mar-10	11-Mar-10	29-Mar-10	29-Mar-10	18	18	18
00471-SH	APS	6.11	10-Mar-10	11-Mar-10	29-Mar-10	29-Mar-10	18	18	18
00472-SW	APS	3.01	10-Mar-10	11-Mar-10	29-Mar-10	29-Mar-10	18	18	18
00473-SW	APS	3.87	10-Mar-10	11-Mar-10	29-Mar-10	29-Mar-10	18	18	18
00455-AH	APS	6.11	10-Mar-10	15-Mar-10		31-Mar-10		16	16
00463-SH	APS	7.755	12-Mar-10	15-Mar-10		29-Mar-10		14	14
00483-SW	APS	3.01	10-Mar-10	15-Mar-10		29-Mar-10		14	14
00484-SH	APS	6.58	10-Mar-10	15-Mar-10		29-Mar-10		14	14
00485-SW	APS	1.29	10-Mar-10	15-Mar-10		05-Apr-10		21	21
00390-SN	APS	7.92	11-Mar-10	17-Mar-10					
00395-AN	APS	5.95	10-Feb-10	17-Mar-10		05-Apr-10		19	19
00474-SH	APS	5.64	17-Mar-10	17-Mar-10		05-Apr-10		19	19
00489-SW	APS	5.16	15-Mar-10	17-Mar-10		05-Apr-10		19	19
00461-AH	APS	7.755	08-Mar-10	18-Mar-10					
00469-SW	APS	7.075	12-Mar-10	18-Mar-10		05-Apr-10		18	18
00482-AN	APS	5.76	16-Mar-10	18-Mar-10		05-Apr-10		18	18
00494-AN	APS	11.52	16-Mar-10	18-Mar-10		05-Apr-10		18	18
00480-AN	APS	5.94	10-Mar-10	19-Mar-10		05-Apr-10		17	17
00475-SW	APS	3.01	19-Mar-10	23-Mar-10	05-Apr-10	05-Apr-10	13	13	13
00479-AN	APS	4.86	19-Mar-10	23-Mar-10		05-Apr-10		13	13
00486-SH	APS	6.44	15-Mar-10	23-Mar-10	01-Apr-10	05-Apr-10	9	13	13

Thursday,
April 08,

File #	System		Utility IN	Utility App sent	Utility App confirmed	Utility APPROVAL	# of Days	
	Utility	Size					to Confirm	# of Days for Full Approval
00491-SW	APS	3.01	19-Mar-10	23-Mar-10	05-Apr-10	05-Apr-10	13	13
00502-SW	APS	3.87	19-Mar-10	26-Mar-10				
900273	APS	25.53	26-Mar-10	29-Mar-10				
00470-SH	APS	7.755	19-Mar-10	29-Mar-10				
00496-SW	APS	4.73	25-Mar-10	29-Mar-10				
00497-SW	APS	5.805	25-Mar-10	29-Mar-10				
00508-SW	APS	7.74	25-Mar-10	29-Mar-10				
00407-AN	APS	3.87	22-Mar-10	30-Mar-10				
00468-SH	APS	6.11	30-Mar-10	30-Mar-10				
00406-AN	APS	7.2	22-Mar-10	31-Mar-10				
00499-SW	APS	5.06	22-Mar-10	31-Mar-10	08-Apr-10		8	
Average # of days to convert - MARCH 2009							20	18

Thursday,
April 08,

File #	Utility	System Size	Utility IN	Utility App sent	Utility App confirmed	Utility APPROVAL	# of Days to Confirm Rebate	# of Days for Full Approval
900168	GMCO	6.45	09-Nov-09	14-Dec-09	15-Jan-10	15-Jan-10	32	32
					Average # of days to convert			32

File #	System		Utility IN	Utility App sent	Utility App confirmed	Utility APPROVAL	# of Days to Confirm	# of Days for Full Approval
	Utility	Size						
900280	NEC	3.01	14-Dec-09	29-Dec-09	30-Dec-09	30-Dec-09	1	1
00430-SH	NEC	3.76	25-Feb-10	05-Mar-10				
Average # of days to convert							1	1

Thursday,
April 08,

File #	Utility	System Size	Utility IN	Utility App sent	Utility App confirmed	Utility APPROVAL	# of Days to Confirm Rebate		# of Days for Full Approval
							Rebate	Approval	
900135	SRP	3.15	02-Jan-00	09-Nov-09	09-Nov-09	25-Nov-09	0		16
900144	SRP	5.16	12-Nov-09	17-Nov-09	19-Nov-09	25-Nov-09	2		8
900172	SRP	5.16	29-Oct-09	04-Nov-09	09-Nov-09	01-Dec-09	5		27
900178	SRP	3.01	27-Oct-09	04-Nov-09	09-Nov-09		5		
900181	SRP	5.25	11-Nov-09	25-Nov-09	03-Dec-09	15-Dec-09	8		20
900190	SRP	2.1	09-Nov-09	17-Nov-09	19-Nov-09	21-Dec-09	2		34
900191	SRP	5.16	29-Oct-09	12-Nov-09	19-Nov-09	04-Dec-09	7		22
900195	SRP	5.16	11-Nov-09	02-Dec-09	02-Dec-09	30-Dec-09	0		28
900199	SRP	5.04	04-Nov-09	25-Nov-09	01-Dec-09		6		
900204	SRP	3.87	03-Nov-09	13-Nov-09	19-Nov-09	24-Nov-09	6		11
900206	SRP	4.73	30-Nov-09	08-Dec-09	09-Dec-09	08-Jan-10	1		31
900207	SRP	5.805	07-Dec-09	14-Dec-09	21-Dec-09	03-Feb-10	7		51
900211	SRP	5.16	30-Oct-09	12-Nov-09	19-Nov-09	30-Nov-09	7		18
900228	SRP	5.16	12-Nov-09	19-Nov-09	01-Dec-09	31-Mar-10	12		132
900237	SRP	4.725	08-Dec-09	11-Dec-09	17-Dec-09		6		
900240	SRP	2.45	12-Nov-09	19-Nov-09	24-Nov-09	04-Feb-10	5		77
900244	SRP	5.805	01-Dec-09	11-Dec-09	18-Dec-09	14-Jan-10	7		34
900256	SRP	5.16	23-Nov-09	30-Nov-09	04-Dec-09	22-Dec-09	4		22
900259	SRP	7.095	17-Dec-09	28-Dec-09	30-Dec-09	14-Jan-10	2		17
900264	SRP	5.16	23-Nov-09	30-Nov-09	03-Dec-09		3		
900267	SRP	3.01	14-Dec-09	16-Dec-09	21-Dec-09	25-Jan-10	5		40
900281	SRP	5.16	15-Dec-09	23-Dec-09	31-Dec-09	02-Feb-10	8		41
900294	SRP	4.9	15-Dec-09	17-Dec-09	28-Dec-09	22-Jan-10	11		36
900301	SRP	5.06	19-Jan-10	29-Jan-10	03-Feb-10	12-Feb-10	5		14
900302	SRP	3.15	21-Dec-09	28-Dec-09	31-Dec-09	19-Jan-10	3		22
900310	SRP	5.075	31-Dec-09	31-Dec-09	11-Jan-10	08-Feb-10	11		39
900320	SRP	5.16	12-Jan-10	14-Jan-10	18-Jan-10	20-Jan-10	4		6

File #	System		Utility App		Utility App confirmed	Utility APPROVAL	# of Days to Confirm	# of Days for Full Approval
	Utility	Size	Utility IN	sent				
900322	SRP	5.16	08-Jan-10	14-Jan-10	18-Jan-10		4	
900329	SRP	5.16	08-Jan-10	14-Jan-10	18-Jan-10	15-Feb-10	4	32
00344-SW	SRP	4.73	19-Jan-10	26-Jan-10	03-Feb-10	10-Feb-10	8	15
00346-SW	SRP	5.16	21-Jan-10	26-Jan-10	04-Feb-10	15-Feb-10	9	20
00347-SW	SRP	3.01	20-Jan-10	26-Jan-10	03-Feb-10	15-Feb-10	8	20
00357-AN	SRP	5.25	29-Jan-10	23-Feb-10	05-Mar-10		10	
00363-SN	SRP	2.16	08-Mar-10	09-Mar-10	16-Mar-10	31-Mar-10	7	22
00364-SW	SRP	3.87	11-Feb-10	18-Feb-10	04-Mar-10		14	
00366-SW	SRP	5.04	19-Feb-10	23-Feb-10				
00367-SN	SRP	5.4	04-Feb-10	15-Feb-10	19-Feb-10	19-Feb-10	4	4
00371-SN	SRP	4.32	25-Feb-10	26-Feb-10	05-Mar-10	23-Mar-10	7	25
00377-SN	SRP	1.8	18-Feb-10	23-Feb-10	04-Mar-10	23-Mar-10	9	28
00387-SW	SRP	5.16	16-Feb-10	02-Mar-10	30-Mar-10		28	
00409-SW	SRP	4.73	12-Feb-10	19-Feb-10				
00424-SH	SRP	4.935	29-Mar-10	29-Mar-10	07-Apr-10		9	
00435-SN	SRP	5.4	25-Feb-10	02-Mar-10	09-Mar-10	11-Mar-10	7	9
00441-SH	SRP	9.165	10-Mar-10	15-Mar-10	24-Mar-10	30-Mar-10	9	15
00443-AN	SRP	4.86	01-Mar-10	04-Mar-10	15-Mar-10	23-Mar-10	11	19
00452-SW	SRP	5.16	01-Mar-10	16-Mar-10	29-Mar-10		13	
00454-SW	SRP	5.16	01-Mar-10	08-Mar-10	16-Mar-10		8	
00487-SH	SRP	5.17	17-Mar-10	18-Mar-10	26-Mar-10	30-Mar-10	8	12
						Average # of days to convert	7	28

Thursday,
April 08,

File #	System		Utility App sent	Utility App confirmed	Utility APPROVAL	# of Days to Confirm Rebate	# of Days for Full Approval
	Utility	Size					
900129	SSVEC	3.87	02-Jan-00	13-Nov-09	29-Nov-09	16	16
900161	SSVEC	3.01	02-Jan-00	02-Nov-09	15-Nov-09	13	13
900162	SSVEC	5.16	11-Nov-09	24-Nov-09	15-Dec-09	21	21
900165	SSVEC	5.16	02-Jan-00	12-Nov-09	14-Dec-09	32	32
900169	SSVEC	5.805	09-Nov-09	28-Dec-09	01-Feb-10	35	35
900186	SSVEC	3.01	04-Nov-09	13-Nov-09	16-Dec-09	33	33
900187	SSVEC	3.01	02-Nov-09	12-Nov-09	16-Dec-09	34	34
900194	SSVEC	5.805	12-Nov-09	24-Nov-09	14-Dec-09	20	20
900196	SSVEC	7.095	11-Nov-09	24-Nov-09	14-Dec-09	20	20
900197	SSVEC	5.16	04-Nov-09	13-Nov-09	16-Dec-09	33	33
900198	SSVEC	5.805	05-Nov-09	13-Nov-09	16-Dec-09	33	33
900200	SSVEC	3.44	09-Nov-09	12-Nov-09	14-Dec-09	32	32
900201	SSVEC	3.44	09-Nov-09	30-Nov-09	16-Dec-09	16	16
900203	SSVEC	4.3	04-Nov-09	13-Nov-09	16-Dec-09	33	33
900241	SSVEC	3.01	08-Jan-10	18-Jan-10	01-Feb-10	14	14
900285	SSVEC	2.15	18-Dec-09	28-Dec-09	01-Feb-10	35	35
900306	SSVEC	2.975	08-Feb-10	15-Feb-10	08-Mar-10	21	21
900342	SSVEC	8.28	27-Jan-10	04-Feb-10	23-Feb-10	19	19
					Average # of days to convert	26	26

Thursday,
April 08,

File #	System		Utility IN	Utility App sent	Utility App confirmed	Utility APPROVAL	# of Days	
	Utility	Size					to Confirm	# of Days for Full Approval
900149	TEP	3.01	02-Jan-00	04-Nov-09	25-Nov-09	25-Nov-09	21	21
900154	TEP	3.01	11-Nov-09	19-Nov-09	03-Dec-09	03-Dec-09	14	14
900185	TEP	3.87	03-Nov-09	19-Nov-09	03-Dec-09	03-Dec-09	14	14
900188	TEP	3.87	09-Nov-09	17-Nov-09	04-Dec-09	04-Feb-10	17	79
900215	TEP	5.805	02-Nov-09	30-Nov-09	01-Feb-10	01-Feb-10	63	63
900218	TEP	5.805	09-Nov-09	25-Nov-09	03-Dec-09	08-Jan-10	8	44
900226	TEP	6.45	11-Nov-09	19-Nov-09	03-Dec-09	07-Dec-09	14	18
900234	TEP	2.15	11-Nov-09	19-Nov-09	30-Nov-09	30-Nov-09	11	11
900243	TEP	3.01	20-Nov-09	01-Dec-09	01-Feb-10	01-Feb-10	62	62
900248	TEP	3.01	07-Dec-09	15-Dec-09	01-Feb-10	01-Feb-10	48	48
900262	TEP	4.73	07-Dec-09	15-Dec-09	01-Feb-10	01-Feb-10	48	48
900269	TEP	5.805	14-Dec-09	23-Dec-09	01-Feb-10	01-Feb-10	40	40
900274	TEP	4.73	18-Dec-09	11-Jan-10	01-Feb-10	01-Feb-10	21	21
900275	TEP	8.6	17-Dec-09	28-Dec-09	01-Feb-10	01-Feb-10	35	35
900282	TEP	4.73	28-Dec-09	08-Jan-10	02-Feb-10	02-Feb-10	25	25
900286	TEP	3.01	18-Dec-09	23-Dec-09	01-Feb-10	01-Feb-10	40	40
900292	TEP	7.74	17-Dec-09	23-Dec-09	11-Jan-10	11-Jan-10	19	19
900293	TEP	3.44	18-Dec-09	08-Jan-10	01-Feb-10	01-Feb-10	24	24
900298	TEP	9.03	05-Jan-10	12-Jan-10	01-Feb-10	01-Feb-10	20	20
900308	TEP	1.75	11-Feb-10	16-Feb-10	09-Mar-10	09-Mar-10	21	21
900317	TEP	13.76	11-Feb-10	17-Feb-10	15-Mar-10	15-Mar-10	26	26
900319	TEP	4.9	22-Dec-09	04-Jan-10	01-Feb-10	01-Feb-10	28	28
00360-SW	TEP	5.805	29-Jan-10	15-Feb-10	01-Mar-10	01-Mar-10	14	14
00383-AN	TEP	4.32	05-Feb-10	19-Feb-10	12-Mar-10	12-Mar-10	21	21
00384-SW	TEP	5.805	08-Feb-10	16-Feb-10	09-Mar-10	09-Mar-10	21	21
00392-SH	TEP	5.64	08-Feb-10	16-Feb-10	16-Feb-10	16-Feb-10	0	0
00398-AH	TEP	8.46	01-Mar-10	05-Mar-10	30-Mar-10	30-Mar-10	25	25

Thursday,
April 08,

File #	System		Utility IN	Utility App sent	Utility App confirmed	Utility APPROVAL	# of Days to Confirm Rebate	# of Days for Full Approval
	Utility	Size						
00416-AN	TEP	4.86	16-Feb-10	22-Feb-10	15-Mar-10	15-Mar-10	21	21
00437-SH	TEP	5.64	25-Feb-10	04-Mar-10	30-Mar-10	30-Mar-10	26	26
					Average # of days to convert		26	29

Thursday,
April 08,

File #	Utility	System Size	Utility IN	Utility App sent	Utility App confirmed	Utility APPROVAL	# of Days to Confirm Rebate		# of Days for Full Approval
							Rebate	Approval	
900126	TRICO	4.3	11-Nov-09	17-Nov-09	24-Nov-09	24-Nov-09	7	7	7
900208	TRICO	7.095	23-Feb-10	02-Mar-10	03-Mar-10	03-Mar-10	1	1	1
900224	TRICO	4.73	11-Nov-09	09-Dec-09	08-Jan-10	08-Jan-10	30	30	30
900257	TRICO	4.3	03-Dec-09	16-Dec-09	08-Jan-10	08-Jan-10	23	23	23
900313	TRICO	3.78	12-Jan-10	11-Dec-09	21-Dec-09	21-Dec-09	10	10	10
900316	TRICO	3.87	19-Jan-10	11-Dec-09	08-Jan-10	08-Jan-10	28	28	28
900323	TRICO	9.975	31-Dec-09	12-Jan-10	05-Feb-10	05-Feb-10	24	24	24
900326	TRICO	2.1	12-Jan-10	18-Jan-10	05-Feb-10	05-Feb-10	18	18	18
900327	TRICO	6.45	14-Jan-10	21-Jan-10	05-Feb-10	05-Feb-10	15	15	15
00361-AN	TRICO	7.2	01-Mar-10	04-Mar-10	16-Mar-10	16-Mar-10	12	12	12
00376-SH	TRICO	7.755	01-Mar-10	10-Mar-10	19-Mar-10	19-Mar-10	9	9	9
00412-SH	TRICO	5.64	12-Feb-10	22-Feb-10	03-Mar-10	03-Mar-10	9	9	9
00447-AN	TRICO	4.32	01-Mar-10	02-Mar-10	03-Mar-10	03-Mar-10	1	1	1
00449-AN	TRICO	6.48	01-Mar-10	05-Mar-10	16-Mar-10	16-Mar-10	11	11	11
Average # of days to convert							14	14	14

Thursday,
April 08,

File #	Utility	System Size	Utility IN	Utility App sent	Utility App confirmed	Utility APPROVAL	# of Days to Confirm Rebate	# of Days for Full Approval
900081	UNI	4.05	02-Jan-00	10-Nov-09	16-Nov-09	16-Nov-09	6	6
00365-SW	UNI	9.46	08-Feb-10	11-Feb-10	02-Mar-10	02-Mar-10	19	19
		1,718.20			Average # of days to convert		12.50	12.50



SunWatts Rebate Incentive Program Summary*		
Technology	Up-Front Incentive	Performance-Based Incentives
Solar Electric	\$3 per watt up to 10 kW (up to 40% of total cost)	For systems 10+ kW up to 1MW; not to exceed 60%
Small Wind	\$3 per watt up to 10 kW (up to 40% of total cost)	For systems 10+ kW up to 1MW; not to exceed 60%
Solar Water Heating (OG-300 rated)	\$.75/kWh for first-year savings	Not eligible
Solar Daylighting	\$.20/kWh for first-year savings	Not eligible
Geothermal		
Electric	Not eligible	\$.022/kWh over 15 years
Thermal	Not eligible	\$.045/kWh over 15 years
Biogas/Biomass		
Electric	Not eligible	\$.056/kWh over 15 years
Thermal	Not eligible	\$.014/kWh over 15 years
Cooling	Not eligible	\$.030/kWh over 15 years
CHP-Electric	Not eligible	\$.032/kWh over 15 years
CHP-Thermal	Not eligible	\$.017/kWh over 15 years
Solar Space Cooling	Not eligible	\$.12/kWh over 15 years
*Rebate amounts are from the 2010 Trico Renewable Energy Standard and Tariff plan. Trico files new REST plans each year. Please call Trico to ensure you have the most recent rebate information.		

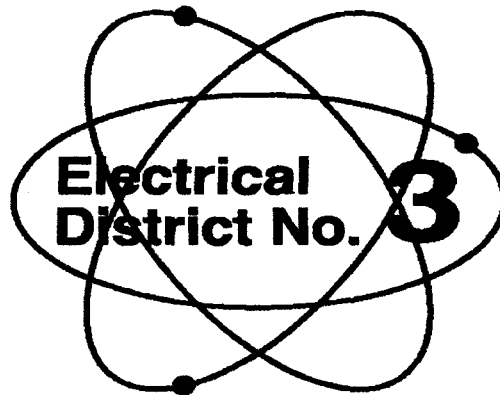
2010 REST Monthly Surcharge Rate

Customer	kWh	Maximum
Residential	\$.009477	\$2.00
Non-Residential	\$.009477	\$74.10
Non-Residential - metered demand 3,000+ kW for 3 consecutive months	\$.009477	\$222.30
Governmental and Agricultural	\$.001663	\$24.70
Governmental and Agricultural - metered demand 3,000+ kW for 3 consecutive months	\$.001663	\$74.10



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—updated 1/11/2010



Solar Power Plan

(This Program is Temporarily On Hold)

Due to the high volume of interest in our residential and commercial solar incentive program, it has been temporarily put on hold. The current forecast on the recovery and availability of funds is 3 years from present. The funds are collected with a 0.30 cent monthly surcharge that is paid by all ED3 customers. The Solar Fund generates at a rate of approximately \$100,000 per year therefore our \$300,000 deficit should be recovered within the forecasted 3 years.

For questions please contact Joseph Herrera at (520) 424- 0410 or Torrie Dominy at (520) 424-0416.

Please review the links below to become familiar with the requirements of this program.

Solar Power Guidelines

Solar Power Application

Solar Power Agreement

Solar Capital Incentive Rider

Solar Power Check List

For information on Contractors that specifically deal with solar installations click on the following link <http://www.arizonasolarindustry.org/> and click on members.



The 2010 SunWatts Program

In December of 2009 the ACC approved changes to the SunWatts program. The change that will affect everyone is an increase in the REST Surcharge. To meet the increased demand for renewable systems the new surcharge is \$0.007937 per kWh with a limit of \$3.49 per residential meter per month. Limits for Commercial and Industrial meters are higher.

Now there are two ways to get a rebate

For systems 10kW or less and/or that cost less than \$75,000, SSVEC will pay a **rebate** at \$3.00 per watt up to 50% of the system cost. (This is subject to the rebate funds being available and your position on the rebate reservation list.) Your new option is to receive a **Performance Based Incentive (PBI)** in which you collect funds based on how many kWh your system produces. The PBI ranges from \$0.18 to \$0.202 per kWh depending on the length of the PBI agreement (10-20 years). The PBI will show up as a credit on your electric bill each month. Using the PBI option you can receive up to 60% of the cost of your system from the SunWatts program.

PV over 10kW and all Wind Systems

For PV systems over 10kW that cost more than \$75,000, or for any wind system, you can no longer collect a rebate but you can receive the PBI refunds.

Net Metering

You can participate in Net Metering even if you have received or applied for a SunWatts Rebate or are getting a PBI credit. Watch your mail for the announcement that Net Metering has been approved by the ACC.



Financing for a portion of the cost

The loan program remains unchanged from the 2009 program. For residential systems you may borrow up to \$8,000 at \$2.00 per watt up to 25% of the system cost at 3% interest.

System Sizing limits

To qualify for a SunWatts Rebate or PBI your system cannot exceed your connected load by more than 25%. Contact the Member Services Department (515-3471) for help to determine your connected load.

Assignment of Rebate

You may now assign your rebate directly to your contractor. But we will not make a payment until you give us written authorization to make the payment.

For more information on the new program, please contact one of the following: Residential customers (Sierra Vista, Hereford, Palominas, Sonoita, Patagonia) call Albert Gomez (515-3473); commercial and industrial customers (entire SSVEC service territory) call David Bane (515-3472); and residential (Benson, Willcox, Bowie, Elfrida) and all agricultural customers, call Telly Stanger at (384-5515).

You can also check SSVEC's Web site at www.ssvec.org.

Special option for those members who reserved a rebate under the 2009 program.

If you have a SunWatts rebate reserved under the 2009 program we will still honor the old rebate of \$4.00 per watt (up to 50% of the system cost). But there is a provision in the 2010 plan that will let you forfeit your 2009 reservation and convert your rebate to the PBI option, which will let you collect up to 60% of the system cost.

SIGN UP

If you would like to sign up, please print, review and complete the above applications labeled "Solar Power Application, Solar Power Agreement, and Solar Power Guidelines." Upon viewing all four forms, please review the eligibility requirements carefully. If you are unsure if you qualify, please call the below number. Please feel free to fax the completed applications to us at 520-424-9065 or it can be mailed to 41630 W. Louis Johnson Dr., Maricopa, AZ 85138. It can also be dropped by either of our locations at 41630 W. Louis Johnson Dr. or 19756 N. John Wayne Pkwy, Suite 101.

For questions that you may have in regard to signing up for the Solar Power Program, please call a solar representative at 520-424-0416 or 520-424-0410. We look forward to assisting you. Thank you.

Contact Us | New Service Request
Home | Questions/Comments | Our Location
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